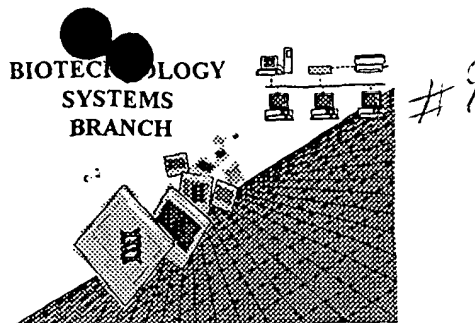


RAW SEQUENCE LISTING **ERROR REPORT**

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/665,308

Source: 1638

Date Processed by STIC: 5/24/2001

RECEIVED

JUN 12 2001

TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

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JUN 12 2001
TECH CENTER 1600/2900

Page 1 of 5

1638

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/665,308

DATE: 05/24/2001

TIME: 17:17:17

Input Set : A:\BB1149 US NA Seq List.txt

Output Set: C:\CRF3\05242001\I665308.raw

Does Not Comply
Corrected Diskette Needed

ppr 1-2

3 <110> APPLICANT: Cahoon, Rebecca E.
4 Klein, Theodore M.
5 Odell, Joan T.
6 Orozco, Emil M. Jr.
8 <120> TITLE OF INVENTION: PLANT CELL CYCLIN GENES
10 <130> FILE REFERENCE: BB1149 US NA
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/665,308
C--> 12 <141> CURRENT FILING DATE: 2000-09-19
12 <150> PRIOR APPLICATION NUMBER: 60/078,735
W--> 13 <151> PRIOR FILING DATE: 1998 March 20 1998-03-20
15 <150> PRIOR APPLICATION NUMBER: PCT/US99/06047
W--> 16 <151> PRIOR FILING DATE: 1999 March 19 1999-03-19
18 <160> NUMBER OF SEQ ID NOS: 32
20 <170> SOFTWARE: MICROSOFT OFFICE 97

ERRORED SEQUENCES

1053 <210> SEQ ID NO: 21
1054 <211> LENGTH: 789
1055 <212> TYPE: DNA
1056 <213> ORGANISM: Triticum aestivum
1058 <400> SEQUENCE: 21
1059 cacctgaggg cgactcgagg gtgccctcgc cccgtccgcc gtgaccaccc ctcttcggat 60
1060 ctaccgcct cgaccaaagt gtgatttgag gcaaattctg cgtttgaggc aaggacaata 120
1061 aaagtgatgg agcttttggt cttcagcacc ttgaaatgga ggatgcaagc tgttactgct 180
1062 tgctcggtta ttgactactt cttttgcaaa ttcaatgatc atgacacacc ctccatgctt 240
1063 gcattctcct gctcaactga cctcatcctg agcacaacta agtgagctga ttttttggtg 300
1064 ttcagacatt cagagattgc tggaagtgtt gcacttcctt catttgggga gcacaagact 360
1065 tcagttgtcg aaatggctac aactaattgc aagtatataa acaaggaggat gtgatgtgac 420
1066 aggaaagatc ctgatgaagt gcttccttta tggaatgcct atctgaagtt tggactaaga 480
1067 gacatgcttt aattggctta gtaaaaaata cttgctaaag agaaataaga ttcaaagtag 540
1068 atgtttttat ttagatttag gatattgtgt ttctgccacc ggttcgactt ctcatattag 600
1069 aaggcaagca gttagtctcat atcttactac tttagcactat ttagatgga tggtagaggga 660
1070 ttgagaggct actactatta atgtgcgtaa actttgcac ttagctctc taaatgaaac 720
1071 cggatgatgt taacctgaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 780
--> 1072 aaaaaaaaaa 789
1125 <210> SEQ ID NO: 23
1126 <211> LENGTH: 603 1132 (p. 2)
1127 <212> TYPE: DNA
1128 <213> ORGANISM: Zea mays
1130 <220> FEATURE:
1131 <221> NAME/KEY: unsure
1132 <222> LOCATION: (441)
1134 <220> FEATURE:
1135 <221> NAME/KEY: unsure
1136 <222> LOCATION: (447)

789 ← insert
cumulative
base total
at right
margin of each
line

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/665,308

DATE: 05/24/2001

TIME: 17:17:17

Input Set : A:\BB1149 US NA Seq List.txt

Output Set: C:\CRF3\05242001\I665308.raw

```

1138 <220> FEATURE:
1139 <221> NAME/KEY: unsure
1140 <222> LOCATION: (485)
1142 <220> FEATURE:
1143 <221> NAME/KEY: unsure
1144 <222> LOCATION: (498)
1146 <220> FEATURE:
1147 <221> NAME/KEY: unsure
1148 <222> LOCATION: (528)
1150 <220> FEATURE:
1151 <221> NAME/KEY: unsure
1152 <222> LOCATION: (553)
1154 <220> FEATURE:
1155 <221> NAME/KEY: unsure
1156 <222> LOCATION: (560)
1158 <220> FEATURE:
1159 <221> NAME/KEY: unsure
1160 <222> LOCATION: (576)..(577)
1162 <220> FEATURE:
1163 <221> NAME/KEY: unsure
1164 <222> LOCATION: (598)
1166 <400> SEQUENCE: 23
1167 aacagaattc ggcacgagcc gcggtcggct gggtttcacg cgccgcggcg cggttaggct 60
1168 tctccgcgct caccgcgcgc ctgcgcgcgc cctacctcga ccgctgcttc ctccccgggg 120
1169 gcgcgctccg gctcggcgac cagccctgga tggcgcgctt agccgcgcgc acctgcttcg 180
1170 cgctcgccgc caaggtcgag gagacgcgcg tgccgcgcgc cctcgacctc cagctctacg 240
1171 ccgccgctga cgccgcggat ccgtacgtat tcgaggccaa gacggtgcgc cggatggagc 300
1172 tgctcgtgct ctccgcgctt gggtagcgga tgcacctgtt cagcccttc tctacctcc 360
1173 agcccgctct cgccgacgct gcgacgcgcc tgcgtagctg cgagggcgct ctgctcgcg 420
1174 tcatggccga ctggaggtgg cctcggcacc ggccttcggc gtggggccgc gccgcgttgc 480
1175 tgatcacagc cgccgcgggc gacggcggcg acggcgacgg cgacacggag ctctgggcgc 540
1176 tcatcaatgc ccccaggagc aagaccgccg agtggtgcaa gatcatctcc gaggtgacgg 600
1177 gcatgagctt cctcgctgcg gatgtcggcg tgagcgccgg aaataagcgt aagcacgcgg 660
1178 cggcgagctt gtactcgccg ccgcccagcc cgagcgcgct gatcggcgcg ctgtcctgct 720
1179 tcagctgcga gagctcgacg tccgccaccg ctatggctgc ggcggtcggc ccgtgggcgc 780
1180 cgtcggcgct cgtgtccgtg tcgtcctctc cagagccacc aggtcgggcc cccaagcgcg 840
1181 cagcggcggc gtcggcgctg gcgtcggcgt cagccggggg cgcgccaccg gtccaggctc 900
1182 cgcacagctt accccccgac gaggagagcc gcgacgcctg gccgtccacc tgcgcgcgct 960
1183 gacgcaccgt gccggaaacg gtgcctatgg cgagaccgcc gttcgggtgg ggtggagaat 1020
1184 ggagaacaag gagcatcatt ggctcgcgct ggtgagcagg agaacgaact attttgccca 1080
--> 1185 ttgccgtgac agatgggggg tgttcactgc gtggagccgc gctgancaat ga 1132 ←

```

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> t <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/665,308

DATE: 05/24/2001

TIME: 17:17:18

Input Set : A:\BB1149 US NA Seq List.txt

Output Set: C:\CRF3\05242001\I665308.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:13 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:16 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:156 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
L:156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:157 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
L:157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:159 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
L:159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:161 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
L:161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:162 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
L:162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:163 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
~~L:163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3~~
L:195 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:4
L:195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:204 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:4
L:204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:207 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:4
L:207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:213 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:4
L:213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:291 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5
L:291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:293 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5
L:293 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:294 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5
L:294 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:295 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5
L:295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:344 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:6
L:344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:387 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7
L:387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:388 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7
L:388 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:442 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:8
L:442 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:466 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:9
L:466 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:761 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:15
L:761 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:762 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:15
L:762 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:786 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:16
L:786 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16

VERIFICATION SUMMARY

DATE: 05/24/2001

PATENT APPLICATION: US/09/665,308

TIME: 17:17:18

Input Set : A:\BB1149 US NA Seq List.txt

Output Set: C:\CRF3\05242001\I665308.raw

L:807 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:17
L:807 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:809 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:17
L:809 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:1005 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19
L:1005 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:1006 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19
L:1006 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:1008 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19
L:1008 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:1009 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19
L:1009 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:1010 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19
L:1010 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:1011 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19
~~L:1011 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19~~
L:1035 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:20
L:1035 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:1038 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:20
L:1038 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:1050 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:20
L:1050 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:1072 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:789 SEQ:21
L:1095 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:22
L:1095 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:1107 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:22
L:1107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:1116 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:22
L:1116 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:1185 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:23
L:1185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:1185 M:252 E: No. of Seq. differs, <211>LENGTH:Input:603 Found:1132 SEQ:23
L:1283 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:25
L:1283 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:1284 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:25
L:1284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:1285 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:25
L:1285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:1330 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:26
L:1330 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:1333 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:26
L:1333 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:1336 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:26
L:1336 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:1384 M:282 W: Numeric Field Identifier Missing, <211> is required.
L:1384 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:1384 M:282 W: Numeric Field Identifier Missing, <213> is required.
L:1384 M:283 W: Missing Blank Line separator, <400> field identifier